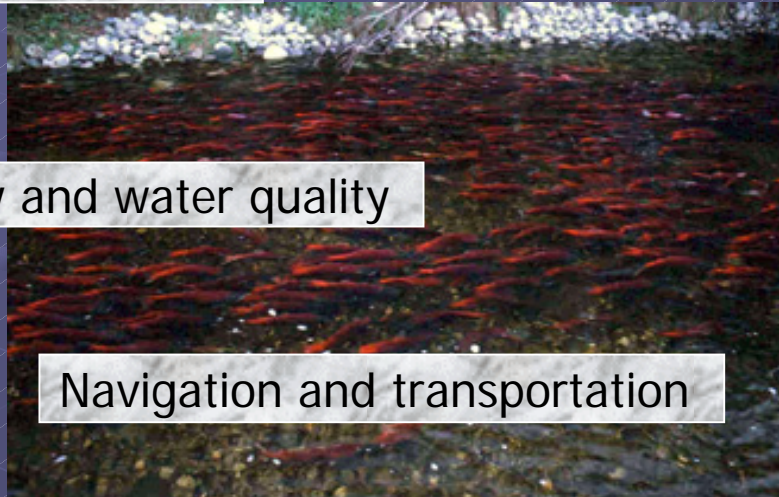# Statewide
In-stream Flow Reservations

Protection of Fish and Wildlife Habitat

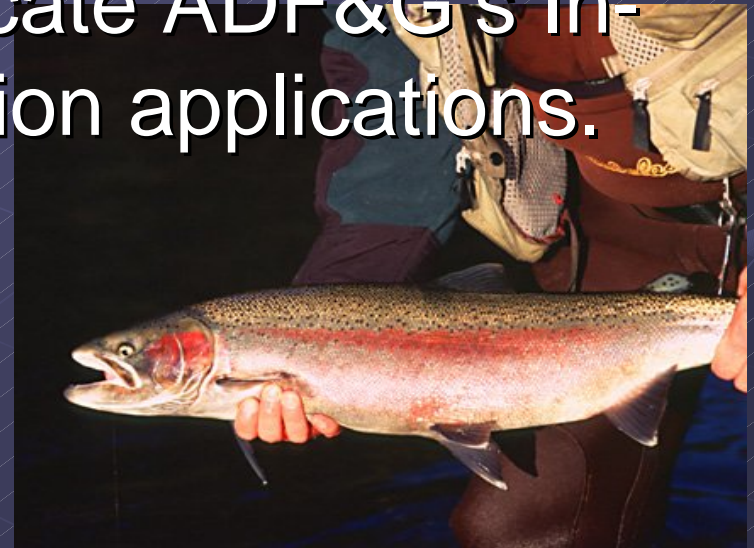Sanitary and water quality

Navigation and transportation

Recreation and Parks

IFR background

- In June 2002 (amended December 13, 2002) Memorandum of Understanding Between ADF&G and ADNR to address, coordinate and adjudicate ADF&G's In-stream Flow Reservation applications.

Numbers

- Currently there are 289 pending IFR applications.
  - 76 Alaska Department of Fish and Game
  - 193 USF&W
  - 7 USDI BLM
  - 7 Private organizations
- IFR Certificates issued 24
  - 1987 = 1   1988 = 5
  - 1990 = 2   1991 = 2
  - 2003= 4   2004 = 2   2005 = 4   2006 = 4
- 13 New applications received in 2006

Current open files

- Situk River
  - waiting on Federal water rights wording for decision
- Lake Creek
  - Reviewing decision
- Buskin River
  - 2 reaches
- Kenai River
  - 3 applications
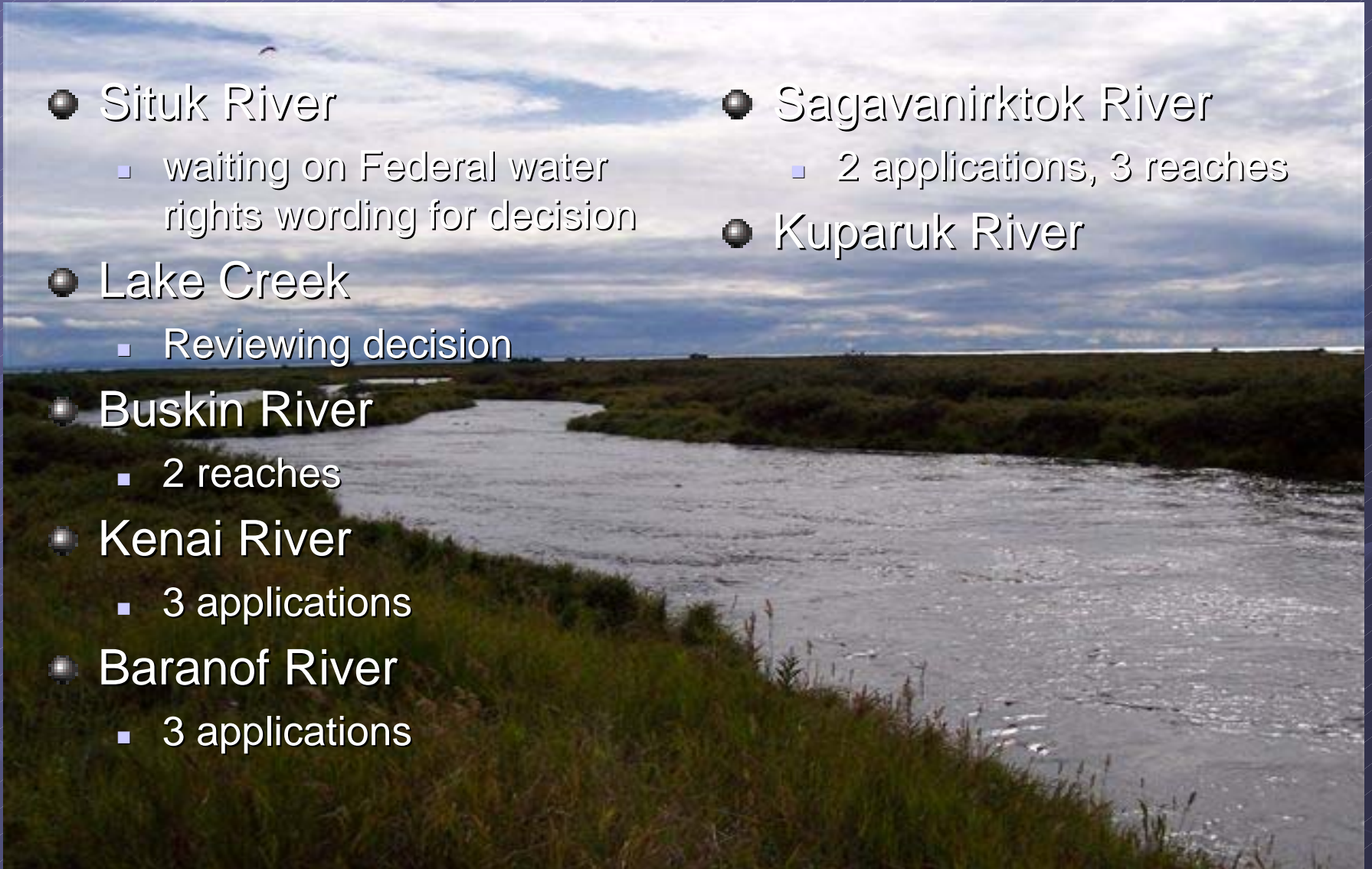- Baranof River
  - 3 applications

- Sagavanirktok River
  - 2 applications, 3 reaches
- Kuparuk River

Side Projects

- ## Harding Lake Stabilization
  - Rogge Creek Diversion into Harding Lake for N. Pike habitat restoration

- ## Joint effort between ADNR & ADF&G
  - Completion of the Kenai River Middle Reach IFR application.

- ## Writing an IFR adjudication process for ADF&G applications
  - Try and standardize how we approach an IFR application.
    - Working with several F&G people that all have different approaches.

Issues

- Hydrology
  - Hydrology throughout the state varies greatly
  - minimum of 5 years data required for an IFR application.
  - other methods for estimating flow within ungaged basins
  - Line up the hydrograph with species periodicity chart to help predict
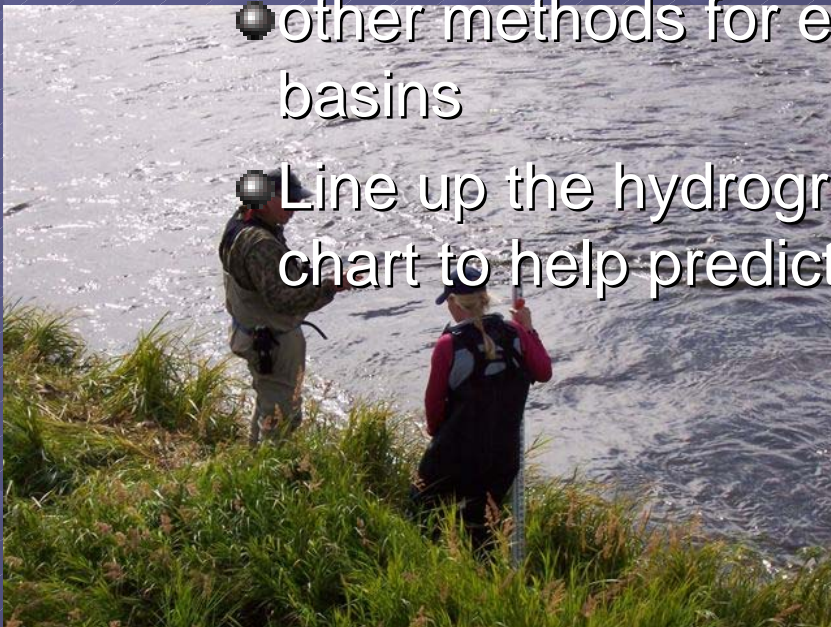
Trouble periods

- Winter and break up flows

DNR-Major Water Issues

- Conflicts over water in Matanuska-Susitna Borough

- Increased water use for mining projects-some highly controversial- for example , Pebble

- Expansion of subsistence rights under federal law tied to reserved water rights

- Construction of new dams for mining projects

- Growth in water use for oil and gas development

ALASKA OIL AND GAS LEASING PROGRAM

ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
KEVIN R. BANKS, ACTING DIRECTOR

AREAWIDE SALES
2007-2011

■ NS Foothills	Feb
■ Ak Peninsula	Feb
■ Cook Inlet	May
■ Beaufort Sea	Oct
■ North Slope	Oct

0   100   200 MILES

Base Map: Albers Equal-Area Conic Projection, 1927 North American Datum, Clarke 1866 ellipsoid with a central meridian of 154°, origin latitude of 50°, northern parallel of 65°, southern parallel of 55°.
This map is for informational purposes only.   January 2007

2.11 Billion Gallons of Water

Kuparuk Streamflow Statistics

Year	Annual mean streamflow, in ft^3/s
1992	1,229
1993	1,451
1994	1,277
1995	1,527
1996	1,636
1997	2,247
1998	1,167
1999	1,264
2000	1,647
2001	1,403

US Geological Survey